

I CLAIM:

1 1. A leak point wetness sensor for urological
2 investigations comprising:

3 an instrument body having a passage therethrough to
4 pass a catheter, which catheter is intended for insertion into
5 the bladder through the urethra;

6 a receptacle in said instrument body so arranged and
7 disposed as to receive liquid which leaks from the urethra past
8 the inserted catheter;

9 a temperature sensitive detector sensor mounted to aid
10 instrument body where it will be contacted by said leaked liquid,
11 said detector sensor being responsive to the temperature of said
12 liquid and adapted to provide a signal output respective to said
13 temperature;

14 a circuit adapted to generate and provide a reference
15 output simulative of a selected temperature below that of an
16 anticipated temperature of said leaked liquid; and

17 a comparator responsive to the difference between said
18 outputs to detect and inform when the signal output sufficiently
19 exceeds said reference output.

1 2. Apparatus sensor according to claim 1 in which drainage
2 channels extend from said receptacle to the outside of said body
3 to drain liquid from the receptacle.

1 3. Apparatus according to claim 1 in which recorder means
2 records related data when wetness is detected.

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1 4. A leak point wetness sensor for urological
2 investigations comprising:

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5 the bladder through the urethra;

6 a receptacle in said instrument body so arranged and
7 disposed as to receive liquid which leaks from the urethra past
8 the inserted catheter;

9 a temperature sensitive detector sensor mounted to aid
10 instrument body where it will be contacted by said leaked liquid,
11 said detector sensor being responsive to the temperature of said
12 liquid and adapted to provide a signal output respective to said
13 temperature;

14 a circuit adapted to respond to a change in temperature
15 of said leaked fluid which change occurs at a rate indicative of
16 contact with leaked liquid whose temperature approaches that of
17 the human body.